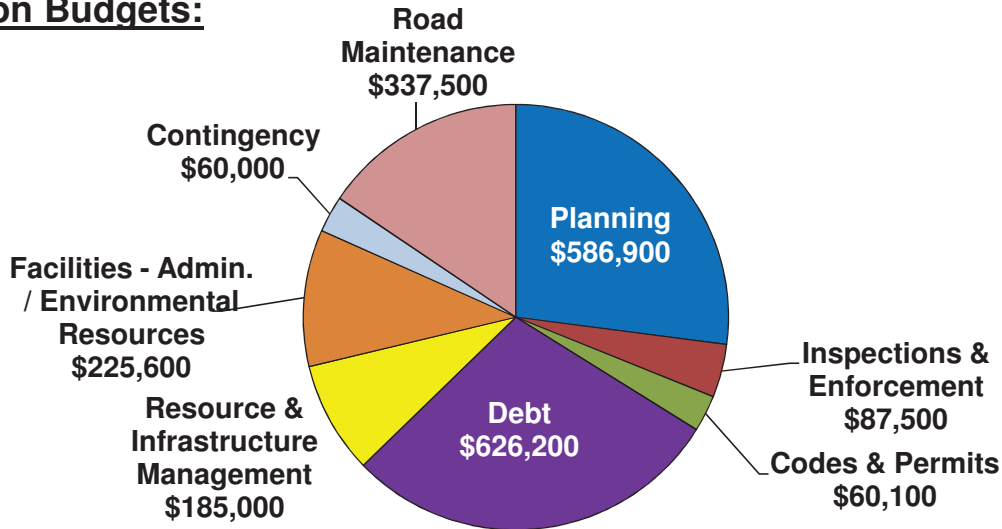


# FISCAL YEAR 2015

## Watershed Protection and Restoration Fund

### Total Operating Budget: \$2,168,800

#### Division Budgets:



	FY2014 Adopted	FY2015 Proposed	Variance	% Change
Baseline Revenues	\$2,133,000	\$2,168,800	\$35,800	1.7%
Baseline Expenditures	2,133,000	2,130,100	(2,900)	-0.1%
<b>Surplus / (Deficit)</b>	<b>\$0</b>	<b>\$38,700</b>	<b>\$38,700</b>	
New Requests		(\$38,700)	(\$38,700)	
<b>Total Surplus / (Deficit)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

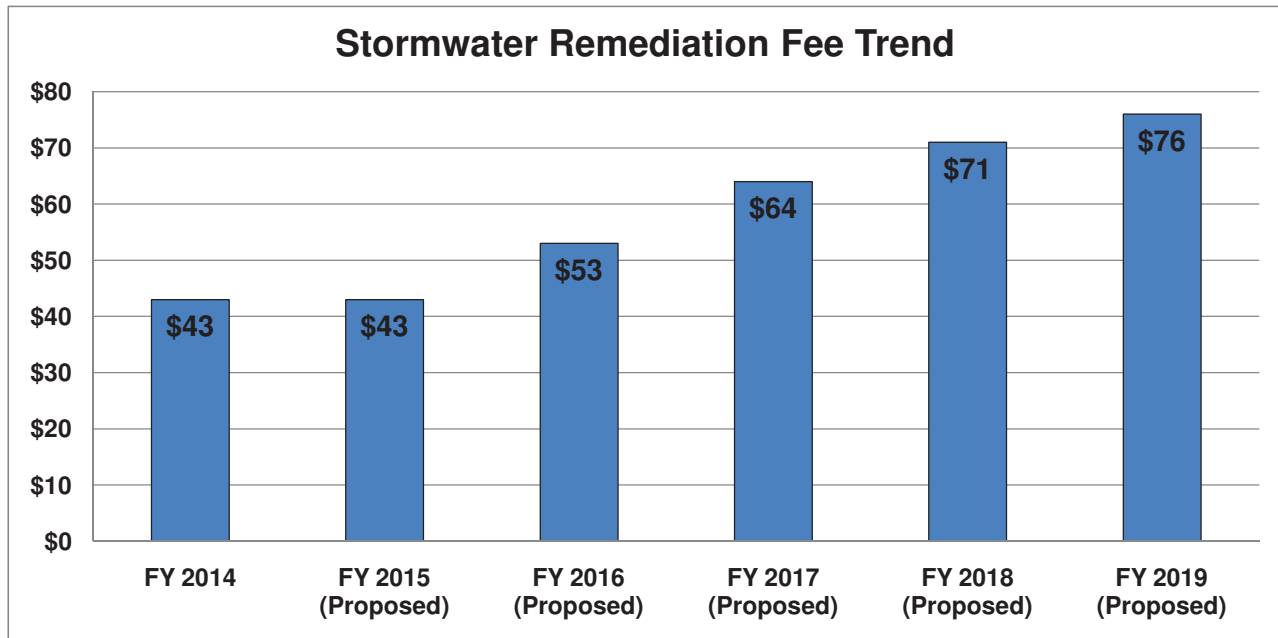
A \$1 adjustment on fee generates approximately: \$49,000

#### Major Adjustments to the Proposed Budget:

			Fee Rate Change
Debt Service	Assumes a \$3.2 million bond issue for 2014.	\$114,900	\$2.42
Capital Project	Cobb Island Drainage Study	\$60,000	\$1.26
Planning	New Requests for FY 2015	\$38,700	\$0.82
Planning	Impact of reallocating 25% of a Planner IV position to this program based on assigned duties.	\$30,900	\$0.65
Inspection & Enforcement	Additional Inspections on Stormwater Management and illicit discharge enforcement anticipated from the Environmental Protection Agency (EPA) audit.	\$30,000	\$0.63
Planning	Education and outreach tasks Increase over FY 2014 budget.	\$25,000	\$0.53
Planning	Revisions to the State required Total Maximum Daily Load (TMDL) plan has reduced the estimated cost to implement.	(\$163,000)	(\$3.43)
Contingency	Reducing the Contingency budget to \$60,000 (3% of estimated total expenditures).	(\$130,300)	(\$2.75)
Increase in revenues and decrease in expenditures saves		(\$6,200)	(\$0.13)
Total		\$0	\$0.00

# FISCAL YEAR 2015

## Watershed Protection and Restoration Fund



*State law mandated that the County establish the Stormwater Remediation Fee for the FY 2014 budget.*

# FISCAL YEAR 2015

## Watershed Protection and Restoration Fund

	<u>FY2014</u> <u>Adopted</u>	<u>FY2015</u> <u>Requested</u>	<u>\$ Change</u> <u>from FY2014</u>	<u>%</u> <u>Change</u>
<b><u>Revenue</u></b>				
Stormwater Remediation Fee	\$2,080,300	\$2,121,100	\$40,800	2.0%
Lot Recordation	50,000	50,000	0	0.0%
Interest	2,700	2,700	0	0.0%
Fee Credit	0	(5,000)	(5,000)	new
Total Operating Revenues	\$2,133,000	\$2,168,800	\$35,800	1.7%
<b><u>Expenditures</u></b>				
Salary & Fringe	\$252,800	\$316,800	\$64,000	25.3%
Operating	1,214,100	1,067,100	(147,000)	-12.1%
Contingency	190,300	60,000	(130,300)	-68.5%
Debt Service	475,800	626,200	150,400	31.6%
Capital Projects	0	60,000	60,000	new
Total Baseline Request	\$2,133,000	\$2,130,100	(\$2,900)	-0.1%
New Requests		38,700	38,700	new
Total Expenditures	\$2,133,000	\$2,168,800	\$35,800	1.7%
<b>Surplus / (Deficit)</b>	\$0	\$0	\$0	

### **New Requests for FY 2015:**

Restoration Grant Program	\$25,000
Planning Technician II Position (0.2 FTE)	13,700
	<u>\$38,700</u>

## Watershed Protection and Restoration Fund

**Department:** Planning and Growth Management 50.07.19  
**Division \ Program:** Planning Fund: Enterprise  
**Program Administrator:** Steven Ball, Planning Director

<b>Expenditure Category</b>	<b>FY2013 Actual</b>	<b>FY2014 Adopted</b>	<b>FY2015 Request</b>	<b>FY2015 Proposed</b>	<b>\$ Change from FY2014</b>	<b>% Chg.</b>
Personal Services	\$0	\$117,600	\$144,100		\$26,500	22.5%
Fringe Benefits	0	34,000	42,600		8,600	25.3%
Operating Costs	0	438,900	301,500		(137,400)	-31.3%
Operating Contingency	0	190,300	60,000		(130,300)	-68.5%
Debt Service	0	475,800	626,200		150,400	31.6%
Capital Projects	0	0	60,000	0	60,000	NEW
<b>Total Baseline</b>	\$0	\$1,256,600	\$1,234,400	\$0	(\$22,200)	-1.8%
New Requests (see attached)			38,700		38,700	NEW
<b>Total Expenditures</b>	\$0	\$1,256,600	\$1,273,100	\$0	\$16,500	1.3%

### **Baseline Changes and Useful Information:**

- **Personal Services** includes the full year impact of the merit received during FY 2014 and the impact of reallocating 25% of a Planner IV position to this program due to assigned duties.
- The **Fringe Benefits** increase is a result of the pension cost increase due to the merit received in FY 2014, as well as, provides an adjustment to the County's Health & Dental Budget. A current projection assumes a 6% increase in health & dental costs. Increase also includes the cost to reallocate a Planner IV position to this program.
- **Operating Costs** adjustments:
  - Consultant budget was reduced by \$163,000 as result of revisions to the State required Total Maximum Daily Load (TMDL) plan. The scope of the plan has been revised which has resulted in budget savings to the County.
  - Education & Outreach was increased by \$25,000 for additional education and outreach tasks.
  - An indirect cost allocation of \$11,600 was established for FY 2015 to provide a funding source for services provided by General Fund staff.
- **Debt Service** represents principal and interest payments on stormwater management bonds.
  - \$114,900 in interest on the estimated \$3.2 million 2014 bond issue.
  - \$35,500 increase in principal and interest to cover existing debt.
- **Capital Projects** budget of \$60,000 is for the Cobb Island Drainage Study.

### **Description:**

The Charles County storm sewer system is operated per its NPDES Municipal Separate Storm Sewer System permit. The permit runs for five years and requires the County to develop and implement a number of programs to monitor and control water quality. Highlights of the Planning Division work products include:

- Continuation of a long-term chemical, biological, and physical monitoring program for small watersheds; continuation of urban BMP effectiveness study; and continued support of the US Geological Survey long-term chemical monitoring station for Mattawoman Creek Watershed, a large watershed.
- Continued implementation of the Illicit Discharge Detection and Enforcement Program for the County's storm sewer system. This program provides annual inspection of major outfalls to discover potential illicit discharges into the storm sewer system and enforces violations. The County relies heavily on a public education element to prevent illicit discharges, and has also incorporated penalties for serious and repeat violations.

### **Positions:**

<u>Title</u>	<u>FY14 FTE</u>	<u>FY15 FTE</u>
Planner IV	0.0	0.3
Planner I-III	1.8	1.8
<b>Total Full Time Equivalent</b>	<b>1.8</b>	<b>2.1</b>

## Watershed Protection and Restoration Fund

<b>Department:</b>	Planning and Growth Management		50.07.19
<b>Division \ Program:</b>	Planning	Fund:	Enterprise
<b>Program Administrator:</b>	Steven Ball, Planning Director		

<b><u>Objectives &amp; Measurements:</u></b>	<b>FY14</b>	<b>FY15</b>
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<b><u>Objectives &amp; Measurements:</u></b>	<b>FY14 Projected</b>	<b>FY15 Estimated</b>
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Objective: to maintain compliance with the County's Municipal National Pollutant Discharge Elimination System (NPDES) stormwater permit's. Assessments of Controls and Special Programmatic tasks, coordinate NPDES stormwater permit requirements between departments and divisions, and manage WPRP program requirements.

# of active projects	12	12
Projects per FTE	9.60	6.80

a) Illicit Discharge Detection and Elimination Inspection & Upland Visual Surveys	100 outfalls	100 outfalls
b) Property Maintenance & Management Inspection - # of sites	4	4
c) Watershed Assessment/Total Maximum Daily Load Planning - # of assessments/plans	1	1
d) Small Watershed Water Quality Monitoring (Chemical, Biological, Geomorphic, Best Management Practice Assess) - # of samples/surveys	12	12
e) Large Watershed Water Quality Monitoring (Chemicals) - # of samples	20	20
f) Public Outreach and Education Program - # of events	2	2
g) WPRP Appeal, Credit, and Hardship Processing		
Property owners receiving a 50% Credit.	90	190
Property owners receiving a 100% Exemption.	10	20

<b>Department:</b>	Planning and Growth Management		50.07.31
<b>Division \ Program:</b>	Codes, Permits & Inspection Services\ Inspections & Enforcement	Fund:	Enterprise

**Program Administrator:** Frank Ward, Chief of Codes, Permits, and Inspection Services

<b>Expenditure Category</b>	<b>FY2013 Actual</b>	<b>FY2014 Adopted</b>	<b>FY2015 Request</b>	<b>FY2015 Proposed</b>	<b>\$ Change from FY2014</b>	<b>% Chg.</b>
Operating Costs	\$0	\$57,500	\$87,500		\$30,000	52.2%
<b>Total Expenditures</b>	\$0	\$57,500	\$87,500	\$0	\$30,000	52.2%

**Baseline Changes and Useful Information:**

- **Operating Costs** increase of \$30,000 is due to the need for additional inspections on stormwater management and illicit discharge enforcement anticipated from the Environmental Protection Agency (EPA) audit.

**Description:**

The Inspection and Enforcement Section of the Codes, Permits and Inspection Services Division is responsible for the triennial inspection of existing stormwater management devices owned by private property owners, homeowners associations, and Charles County for compliance with performance specifications, legal agreements & Maryland law. Inspection staff provides reports to owners of the stormwater management devices and ensures proper repairs are implemented in a timely manner. Inspections occur after developer's have completed projects inspected by staff of the Inspection & Enforcement fund.

<b><u>Objectives &amp; Measurements:</u></b>	<b>FY14</b>	<b>FY15</b>
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<b><u>Objectives &amp; Measurements:</u></b>	<b>FY14 Projected</b>	<b>FY15 Estimated</b>
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Objective: Stormwater Maintenance laws mandates that the County inspect all private and private stormwater management structures in three year intervals to ensure their proper use.

Stormwater management maintenance inspections	925	1,200
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## Watershed Protection and Restoration Fund

**Department:** Planning and Growth Management 50.07.61  
**Division \ Program:** Codes, Permits & Inspection Services\Codes & Permits Fund: Enterprise  
**Program Administrator:** Frank Ward, Chief of Codes, Permits, and Inspection Services

Expenditure Category	FY2013 Actual	FY2014 Adopted	FY2015 Request	FY2015 Proposed	\$ Change from FY2014	% Chg.
Personal Services	\$0	\$45,100	\$37,500		(\$7,600)	-16.9%
Fringe Benefits	0	14,900	12,000		(2,900)	-19.5%
Operating Costs	0	10,600	10,600		0	0.0%
<b>Total Expenditures</b>	<b>\$0</b>	<b>\$70,600</b>	<b>\$60,100</b>	<b>\$0</b>	<b>(\$10,500)</b>	<b>-14.9%</b>

### Baseline Changes and Useful Information:

- **Personal Services** and **Fringe Benefits** are decreasing due to refilling a vacant position at a lower salary.

### Description:

The Codes and Permits Section of the Codes, Permits & Inspection Services Division includes engineering staff involved in review of stormwater management issues. While much of this work is undertaken as part of a permit review function, some of the engineering analysis is done after construction is completed & as part of the required triennial inspection process. Proposed work includes engineering services, modifications to the Stormwater Management Ordinance to address Green Code and related issues and employee education.

### Positions:

	FY14 FTE	FY15 FTE
Title		
Engineer I - IV	0.5	0.5
<b>Total Full Time Equivalent</b>	<b>0.5</b>	<b>0.5</b>

**Department:** Planning and Growth Management 50.07.91  
**Division \ Program:** Resource & Infrastructure Management Fund: Enterprise  
**Program Administrator:** Jason Groth, Chief of Resource & Infrastructure Management

Expenditure Category	FY2013 Actual	FY2014 Adopted	FY2015 Request	FY2015 Proposed	\$ Change from FY2014	% Chg.
Operating Costs	\$0	\$185,000	\$185,000		\$0	0.0%
<b>Total Expenditures</b>	<b>\$0</b>	<b>\$185,000</b>	<b>\$185,000</b>	<b>\$0</b>	<b>\$0</b>	<b>0.0%</b>

### Description:

The Charles County storm sewer system is operated per its National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System permit. The permit runs for five years and requires the County to develop and implement a number of programs to monitor and control water quality. The Resource and Infrastructure Management Division work includes continuous updating of the digital mapping of the County's storm sewer system in the County's Geographic Information System.

### Objectives & Measurements:

	FY14 Projected	FY15 Estimated
<u>Objective: to maintain compliance with the County's Municipal National Pollutant Discharge Elimination System (NPDES) stormwater permit's, Source Identification task.</u>		
# of active projects	2	2
a) NPDES Stormwater GIS Infrastructure Mapping	500 plans	500 plans
b) Topography update	0.5 county	0.5 county

## Watershed Protection and Restoration Fund

<b>Department:</b>	Public Works		50.05.06
<b>Division \ Program:</b>	Facilities - Administration	<b>Fund:</b>	Enterprise
<b>Program Administrator:</b>	Bill Shreve, Director of Public Works Dennis Fleming, Chief of Environmental Resources		

Expenditure Category	FY2013 Actual	FY2014 Adopted	FY2015 Request	FY2015 Proposed	\$ Change from FY2014	% Chg.
Personal Services	\$0	\$31,200	\$59,800		\$28,600	91.7%
Fringe Benefits	0	10,000	20,800		10,800	108.0%
Operating Costs	0	184,600	145,000		(39,600)	-21.5%
<b>Total Expenditures</b>	<b>\$0</b>	<b>\$225,800</b>	<b>\$225,600</b>	<b>\$0</b>	<b>(\$200)</b>	<b>-0.1%</b>

### Baseline Changes and Useful Information:

- **Personal Services** and **Fringe Benefits** increase represents the full year impact hiring a position to provide program oversight. The FY 2014 budget assumed the position would be filled in January 2014.
- **Operating Costs** decrease represents the FY 2014 one time cost of hiring a contract position for oversight.

### Description:

This funding request allows the Department of Public Works (DPW) to comply with the federal & state mandates as they relate to County facilities and includes additional funding to allow for all reporting requirements by use of an environmental engineering firm for the first half of the year. Thereafter, DPW will hire an Environmental Compliance Officer after January 1 to self-inspect and report.

### Positions:

	<u>FY14</u>	<u>FY15</u>
<u>Title</u>	<u>FTE</u>	<u>FTE</u>
Environmental Compliance Officer	1.0	1.0
<b>Total Full Time Equivalent</b>	<b>1.0</b>	<b>1.0</b>

<b>Department:</b>	Public Works		50.05.53
<b>Division \ Program:</b>	Road Maintenance	<b>Fund:</b>	Enterprise
<b>Program Administrator:</b>	Steve Staples, Chief of Roads		

Expenditure Category	FY2013 Actual	FY2014 Adopted	FY2015 Request	FY2015 Proposed	\$ Change from FY2014	% Chg.
Operating Costs	\$0	\$337,500	\$337,500		\$0	0.0%
<b>Total Expenditures</b>	<b>\$0</b>	<b>\$337,500</b>	<b>\$337,500</b>	<b>\$0</b>	<b>\$0</b>	<b>0.0%</b>

### Baseline Changes and Useful Information:

- **Operating Costs** represent contract services for street sweeping, stormwater maintenance, storm drain, inlet cleaning, inlet inspection and scheduling, and deicing pollution prevention.

### Description:

Contract services needed to initiate a program that will monitor and control storm water quality as part of the NPDES.

### Objectives & Measurements:

	<b>FY14 Projected</b>	<b>FY15 Estimated</b>
<u>Objective: To reduce pollution in the Chesapeake Bay Watershed.</u>		
Number of storm water basins/inlets inspected	900	1,000
Number of storm water basins/inlets cleaned	700	750
Number of storm water basins/inlets repaired	50	50
Tons of trash/debris removed from basins/inlets	75	80
Number of storm water management ponds cleaned/repaired	20	20
Tons of trash/debris removed by street sweeping	100	100

## FY 2015 New Position Requests - Enterprise Funds

POSITION	HIRE	FTE	GRADE	SALARY	FRINGE	OPERATING	TOTAL
<b>Watershed Restoration and Protection Fund</b>							
<b><u>Planning &amp; Growth Management</u></b>							
<b>Planning Technician II</b>	<b>July</b>	<b>0.2</b>	<b>11</b>	<b>\$9,400</b>	<b>\$3,800</b>	<b>\$500</b>	<b>\$13,700</b>
<i>Full time Planning Technician to accommodate work load and provide improved customer service in the Planning Division. New work load includes several major development projects (planned developments) and new Comp. Plan Amendments. NOTE: This position will be split, 40% GF, 40% Inspection, and 20% Watershed.</i>							
<b>Total -Inspection Fund</b>		<b>0.2</b>		<b>\$9,400</b>	<b>\$3,800</b>	<b>\$500</b>	<b>\$13,700</b>



## FY15 NEW OPERATING/CAPITAL REQUEST

Item Description	Justification	Value of Request	Additional Operating	Direct Purchase	1/2 Year Lease	Annual Lease
<b><u>Planning &amp; Growth</u></b>						
<b><u>Management -</u></b>						
<b><u>Planning</u></b>						
Restoration Grant Program	<b>50.07.19.0503.000</b> Proposed to be administered by the Chesapeake Bay Trust. Program to issue grants to nonprofit organizations for the following purposes: (A) Planning, design, and construction of stormwater management projects; (B) Stream and wetland restoration; and (C) Public education and outreach related to stormwater management or stream and wetland restoration. This program is important to advance restoration in order to meet the County's Watershed Implementation Plan goals, and NPDES MS4 permit requirements	25,000	25,000	0	0	0
<b>Total Watershed Protection &amp; Restoration Fund</b>		<b>25,000</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>

# Watershed Protection and Restoration Fund

## FY15-FY19 Operating Plan

	FY14 Budget	FY15 Estimate	FY16 Estimate	FY17 Estimate	FY18 Estimate	FY19 Estimate
<b><u>Revenue</u></b>						
<b>Total Revenues</b>	<b>\$2,133,000</b>	<b>\$2,168,800</b>	<b>\$2,198,700</b>	<b>\$2,229,100</b>	<b>\$2,259,600</b>	<b>\$2,289,100</b>
<b><u>Expenditures</u></b>						
Salaries & Fringe	\$252,800	\$330,000	\$346,500	\$363,800	\$382,000	\$401,200
Operating	1,214,100	1,092,600	1,114,400	1,136,600	1,159,000	1,181,900
Contingency	190,300	60,000	60,000	60,000	60,000	60,000
Debt	475,800	626,200	1,104,900	1,731,400	2,061,900	2,366,300
Capital Projects	0	60,000	35,000	0	0	0
<b>Total Expenditures</b>	<b>\$2,133,000</b>	<b>\$2,168,800</b>	<b>\$2,660,800</b>	<b>\$3,291,800</b>	<b>\$3,662,900</b>	<b>\$4,009,400</b>
<b>Surplus / (Deficit)</b>	<b>\$0</b>	<b>\$0</b>	<b>(\$462,100)</b>	<b>(\$1,062,700)</b>	<b>(\$1,403,300)</b>	<b>(\$1,720,300)</b>
 <b>Revenue based on Flat Fee per improved property: \$43</b>						
\$1 on fee generates approximately:	\$48,834	\$49,327	\$49,997	\$50,667	\$51,337	\$52,007
<b>Estimated Fee to pay for expanding program:</b>		<b>\$43</b>	<b>\$53</b>	<b>\$64</b>	<b>\$71</b>	<b>\$76</b>

## Watershed Protection and Restoration Fund Capital Improvement Program

<b><u>EXISTING PROJECTS</u></b>	<b><u>Project #</u></b>	<b><u>Status</u></b>	<b><u>LTD Approved</u></b>	<b><u>Remaining Expenditure Balance</u></b>
NPDES RETROFIT PROJECTS	8019	Parent Project	13,348,230	13,336,677
PINEFIELD NPDES RETROFIT PROJECTS	8023	Construction	1,219,630	179,818
ACTON/HAMILTON NPDES RETROFIT PROJECTS	8024	Design	308,760	13,443
BRYANS ROAD NPDES RETROFIT PROJECTS	8025	Construction	2,009,810	204,625
FOX RUN NPDES RETROFITS	8030	Construction	1,091,710	927,208
LANCASTER NPDES RETROFITS	8031	Design	85,360	13,123
RYON WOODS NPDES RETROFITS	8033	Design	114,860	6,355
WHITE PLAINS NPDES RETROFITS	8034	Design	147,600	3,933
PINEFIELD TEMI DRIVE NPDES RETROFITS	8037	Construction	620,300	547,342
STAVORS ROAD NPDES RETROFITS	8039	Design	292,500	292,500
ACTON LAND NPDES RETROFITS	8040	Design	318,300	318,300
NPDES HOLLY TREE FARM STREAM RESTORATION	8038	Design	46,100	2,521
NPDES WATERSHED RESTORATION STUDY #3	8028	Complete	24,740	2
NPDES MAPPING	8035	Active	513,800	372,767
GIS MAPPING	8036	Active	455,540	4,493
LA PLATA WATERSHED RESTORATION	8027	Inactive	180,000	179,964
			20,777,240	16,403,072
<b>Bonds to be issued on existing projects</b>			\$16,346,100	
<b>FY15-FY19 NPDES Retrofit project</b>			17,022,000	
<b>Contingency- Inflation</b>			2,755,000	
<b>Total Bond Issues FY14-FY19</b>			<b><u>\$36,123,100</u></b>	

### **FY15-FY19 NPDES RETROFIT PROJECT**

Project study areas include: Pinefield, Bryan's Road, Acton-Hamilton, Marbella Delight, Fox Run, Lancaster, West Lake Village, Ryon Woods, White Plains, St. Charles, Wakefield, Bannister, Hunt Club Estates, Northwood, Jenifer Elementary School, Berry Road North, Briarwood, Leonardtown Road, Pinefield Center, Potomac Branch Library, and Waldorf Commercial Corridor. Potomac Heights is an additional area of restoration identified separately.

### **Fiscal Notes:**

- The Carrington NPDES retrofit project is complete.
- La Plata Watershed Restoration project is contingent upon receiving grant funding.

# PROPOSED CAPITAL IMPROVEMENT PROGRAM

## FISCAL YEAR 2015

(\$ in thousands)

### WATERSHED PROTECTION & RESTORATION FUND SUMMARY

EXPENSE BUDGET	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	5-Year Total '15-'19	Approp. thru FY14	Beyond FY 2019	Project Total
Architectural & Engineering	\$184	\$166	\$144	\$232	\$243	\$969	\$396	\$255	\$1,620
Land & ROW	600	622	646	869	912	3,649	3,444	958	8,051
Construction	2,002	2,072	2,155	2,892	3,036	12,157	7,908	3,188	23,253
Equipment	0	0	0	0	0	0	0	0	0
Administration	143	150	152	207	217	869	479	228	1,576
Inspection	60	62	64	87	91	364	132	100	596
Miscellaneous	33	34	31	41	130	269	99	103	471
Contingency	206	213	222	278	41	960	891	43	1,894
<b>Total Outlay</b>	<b>\$3,228</b>	<b>\$3,319</b>	<b>\$3,414</b>	<b>\$4,606</b>	<b>\$4,670</b>	<b>\$19,237</b>	<b>\$13,348</b>	<b>\$4,875</b>	<b>\$37,460</b>

FINANCING SOURCES	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	5-Year Total '15-'19	Approp. thru FY14	Beyond FY 2019	Project Total
Bonds	\$3,168	\$3,282	\$3,414	\$4,606	\$4,670	\$19,140	\$13,348	\$4,875	\$37,363
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	60	37	0	0	0	97	0	0	97
<b>Total County Funding</b>	<b>\$3,228</b>	<b>\$3,319</b>	<b>\$3,414</b>	<b>\$4,606</b>	<b>\$4,670</b>	<b>\$19,237</b>	<b>\$13,348</b>	<b>\$4,875</b>	<b>\$37,460</b>
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
<b>Total Funding</b>	<b>\$3,228</b>	<b>\$3,319</b>	<b>\$3,414</b>	<b>\$4,606</b>	<b>\$4,670</b>	<b>\$19,237</b>	<b>\$13,348</b>	<b>\$4,875</b>	<b>\$37,460</b>

Operating Budget Impact	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	5-Year Total '15-'19	Approp. thru FY14	Beyond FY 2019	Project Total
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Operating</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>
Debt Service: Bonds	0.0	181.0	368.5	563.5	826.7	1,939.7	1,110.1	1,442.6	4,492.3
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Impact</b>	<b>\$0.0</b>	<b>\$181.0</b>	<b>\$368.5</b>	<b>\$563.5</b>	<b>\$826.7</b>	<b>\$1,939.7</b>	<b>\$1,110.1</b>	<b>\$1,442.6</b>	<b>\$4,492.3</b>

Increase to Annual ESF fee:	\$1.22	\$3.16	\$6.54	\$10.98	\$15.90	\$22.73	\$27.38
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### VARIANCE TO APPROVED PER FY14-FY18 CAPITAL IMPROVEMENT PROGRAM:

	FY 2015	FY 2016	FY 2017	FY 2018	TOTAL
Approved FY14-FY18 CIP	\$3,075	\$3,075	\$3,075	\$3,967	\$13,192
Increase/(Decrease)	\$153	\$244	\$339	\$639	\$1,375
% change	5.0%	7.9%	11.0%	16.1%	10.4%

# PROPOSED CAPITAL IMPROVEMENT PROGRAM

## FISCAL YEAR 2015

(\$ in thousands)

**PROJECT NAME:**

**NPDES Retrofit Projects**

**Requested By:** PGM

**Project #:** 8019

The project is based on the 2004, 2007 and 2011 Watershed Restoration Studies which are part of the County's 2002 NPDES municipal stormwater permit. The 2002 permit requires restoration of 10% of untreated impervious surface in the Development District. These studies identified projects to meet the restoration requirement.

Project study areas include: Carrington, Pinefield, Bryan's Road, Acton-Hamilton, Marbella Delight, Fox Run, Lancaster, West Lake Village, Ryon Woods, White Plains, St. Charles, Wakefield, Bannister, Hunt Club Estates, Northwood, Jenifer Elementary School, Berry Road North, Briarwood, Leonardtown Road, Pinefield Center, Potomac Branch Library, and Waldorf Commercial Corridor. Potomac Heights is an additional area of restoration identified separately.

The Carrington project is complete. Pinefield, Bryan's Road, Acton-Hamilton, Fox Run, Lancaster, Northwood, Ryon Woods, and White Plains are in design.

Restoration of untreated impervious surface can be done by constructing water quality facilities, stream restoration, programmatic enhancements, and/or through educational outreach. Program requirements are expected to increase to 20% and will be determined when the permit is reissued to the County.

EXPENSE BUDGET	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	5-Year Total '15-'19	Approp. thru FY14	Beyond FY 2019	Project Total
Architectural & Engineering	\$130	\$130	\$130	\$200	\$200	\$790	\$396	\$200	\$1,386
Land & ROW	583	583	583	750	750	3,249	3,444	750	7,443
Construction	1,944	1,944	1,944	2,496	2,496	10,824	7,908	2,496	21,228
Equipment	0	0	0	0	0	0	0	0	0
Administration	133	133	133	172	172	743	479	172	1,394
Inspection	58	58	58	75	75	324	132	75	531
Miscellaneous	27	27	27	34	103	218	99	103	420
Contingency	200	200	200	240	34	874	891	34	1,799
<b>Total Outlay</b>	<b>\$3,075</b>	<b>\$3,075</b>	<b>\$3,075</b>	<b>\$3,967</b>	<b>\$3,830</b>	<b>\$17,022</b>	<b>\$13,348</b>	<b>\$3,830</b>	<b>\$34,200</b>

FINANCING SOURCES	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	5-Year Total '15-'19	Approp. thru FY14	Beyond FY 2019	Project Total
Bonds (30 Year)	\$3,075	\$3,075	\$3,075	\$3,967	\$3,830	\$17,022	\$13,348	\$3,830	\$34,200
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	0	0	0	0	0	0	0	0	0
Total County Funding	\$3,075	\$3,075	\$3,075	\$3,967	\$3,830	\$17,022	\$13,348	\$3,830	\$34,200
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
<b>Total Funding</b>	<b>\$3,075</b>	<b>\$3,075</b>	<b>\$3,075</b>	<b>\$3,967</b>	<b>\$3,830</b>	<b>\$17,022</b>	<b>\$13,348</b>	<b>\$3,830</b>	<b>\$34,200</b>

Operating Budget Impact	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Approp. thru FY14	Beyond FY 2019
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Operating</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>
Debt Service: Bonds	0.0	175.7	351.3	527.0	753.7	1,110.1	1,442.6
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Impact</b>	<b>\$0.0</b>	<b>\$175.7</b>	<b>\$351.3</b>	<b>\$527.0</b>	<b>\$753.7</b>	<b>\$1,110.1</b>	<b>\$1,442.6</b>
Increase to Annual WPRF fee:	\$0.00	\$3.51	\$6.93	\$10.27	\$14.49	\$22.73	\$27.38

**VARIANCE TO APPROVED PER FY14-FY18 CAPITAL IMPROVEMENT PROGRAM:**

	FY 2015	FY 2016	FY 2017	FY 2018	TOTAL
Approved FY14-FY18 CIP	\$3,075	\$3,075	\$3,075	\$3,967	\$13,192
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0
% change	0.0%	0.0%	0.0%	0.0%	0.0%

**LOCATION:**

Charles County Development District- see description

# PROPOSED CAPITAL IMPROVEMENT PROGRAM

## FISCAL YEAR 2015

(\$ in thousands)

<b>PROJECT NAME:</b>	<b>Requested By: PGM</b>
<b>Cobb Island Drainage Study</b>	<b>Project #:</b>
<p>Conduct a preliminary drainage study to identify and rank drainage problems throughout Cobb Island. Much of Cobb Island was developed prior to Charles County's adoption of engineering standards associated with drainage (pipes, culverts, ditches, open channel, etc.) improvements. The Department of Planning and Growth Management and the Department of Public Works have received various drainage complaints throughout the years and are aware of the need for drainage improvements. The preliminary drainage study will also provide conceptual improvement scenarios and provide preliminary estimates of drainage improvement costs. These preliminary estimates of drainage improvement costs will then be used to establish budgets to complete the needed improvements.</p>	

EXPENSE BUDGET	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	5-Year Total '15-'19	Approp. thru FY14	Beyond FY 2019	Project Total
Architectural & Engineering	\$50	\$25	\$0	\$0	\$0	\$75	\$0	\$0	\$75
Land & ROW	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0
Administration	5	5	0	0	0	10	0	0	10
Inspection	0	0	0	0	0	0	0	0	0
Miscellaneous	5	5	0	0	0	10	0	0	10
Contingency	0	0	0	0	0	0	0	0	0
<b>Total Outlay</b>	<b>\$60</b>	<b>\$35</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$95</b>	<b>\$0</b>	<b>\$0</b>	<b>\$95</b>

FINANCING SOURCES	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	5-Year Total '15-'19	Approp. thru FY14	Beyond FY 2019	Project Total
Bonds (30 Year)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Balance Appropriation	0	0	0	0	0	0	0	0	0
Operating Transfer	60	35	0	0	0	95	0	0	95
Total County Funding	\$60	\$35	\$0	\$0	\$0	\$95	\$0	\$0	\$95
Federal	0	0	0	0	0	0	0	0	0
State	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0
<b>Total Funding</b>	<b>\$60</b>	<b>\$35</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$95</b>	<b>\$0</b>	<b>\$0</b>	<b>\$95</b>

Operating Budget Impact	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Approp. thru FY14	Beyond FY 2019
No. of Personnel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Operating</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>
Debt Service: Bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vehicle & Equipment Lease	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total Impact</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>
Increase to Annual WPRF fee:	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

### VARIANCE TO APPROVED PER FY14-FY18 CAPITAL IMPROVEMENT PROGRAM:

	FY 2015	FY 2016	FY 2017	FY 2018	TOTAL
Approved FY14-FY18 CIP	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$60	\$35	\$0	\$0	\$95
% change	n/a	n/a	n/a	n/a	new

<b>LOCATION:</b>
Cobb Island